

RASSIL KASSIR

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SUMMARY

Motivated Fourth-year Computer Engineering student with strong academic performance and hands-on experience in software systems, embedded systems, IoT, and engineering projects. Skilled in problem-solving, system design, and technical documentation. Eager to gain practical industry experience and contribute to a professional technology-driven environment.

EDUCATION

Beirut Arab University (BAU)

2023 – 2027

Bachelor of Computer Engineering | CGPA: **3.8 / 4.0**

- SGPA: **4.0/4.0** in the most recent semester
- 121/150 earned credits

Al Batoul High School

2023

Lebanese Baccalaureate – Life Sciences (LS Track)

- Active member of the school basketball team, participating in competitions and developing teamwork skills.

PROJECTS

Hospital Management System

2026

- Contributed to the design and development of a hospital management system.
- Worked on system architecture, database design, API integration, and software documentation.

College Management System

2026

- Designed a structured academic management system covering student records, staff, courses, attendance, grades, timetables, and fees.
- Developed ER diagrams, relational schemas, and SQL queries.

Smart Home Notification System

2026

- Built a client-server notification system for smart home events and alerts.
- Implemented event-based messaging and subscription management.

Water Tank Monitoring System

2026

- Developed an IoT automation system for water-level monitoring and pump control.
- Integrated cloud monitoring and automatic/manual control features.

Smart Helmet

2025

- Developed an IoT-based safety system integrating sensors, GPS, wireless communication, and cloud platforms.
- Implemented real-time monitoring and emergency alert features.

Emergency Ship Communication System

2025

- Designed a microcontroller-based emergency communication system using PIC16F877A.
- Implemented Morse-code signaling with LCD displays, LED indicators, and buzzer alerts.

TECHNICAL SKILLS

◆ C
◆ MySQL
◆ Node.js
◆ Database Design

◆ C++
◆ HTML/CSS
◆ Express.js
◆ REST APIs

◆ Java
◆ PIC Assembly Language
◆ Git

◆ Python
◆ JavaScript
◆ GitHub

COURSES & TRAINING

Huawei CRA Online Program

- Computer Network Training

Code Academy

- HTML, CSS & GitHub Pages Skill Path

SOFT SKILLS

- | | | | |
|-------------------|-----------------------|-------------------|---------------------------|
| ◆ Problem Solving | ◆ Analytical Thinking | ◆ Teamwork | ◆ Communication |
| ◆ Fast Learning | ◆ Adaptability | ◆ Time Management | ◆ Technical Documentation |

LANGUAGES

- | | |
|-------------------|--------------------|
| ◆ Arabic — Native | ◆ English — Fluent |
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